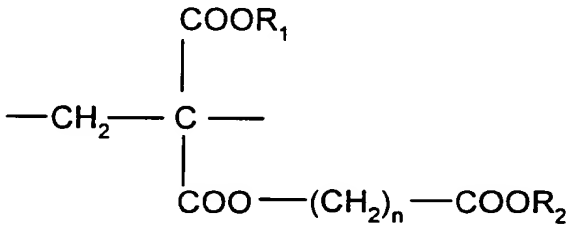
ABSTRACT

The invention generally concerns a ~~novel~~ family of biocompatible surfactant copolymers having a wide range of uses, in particular in pharmaceutics and for synthesising substances in dispersed state and for surface treatment of materials or biomaterials. Said copolymers are characterised in that they comprise a hydrophobic sequence constituted by : either a homopolymer consisting of recurrent units corresponding to the general formula (I) :



in which : R_1 represents a C_1-C_6 alkyl group or a $(CH_2)_m$-$COOR_3$ group wherein m is an integer between 1 and 5 and R_3 represents a C_1-C_6 alkyl group ; R_2 represents a C_1-C_6 alkyl group ; and n is an integer between 1 and 5 ; or a random copolymer consisting of different recurring units corresponding to formula (I) as defined above ; or finally a random copolymer consisting for the major part of units corresponding to formula (I) as defined above.